

§ 421.234

§ 421.234 Standards of performance for new sources.

Any new source subject to this subpart shall achieve the following new source performance standards:

(a) Raw Material Dust Control.

NSPS FOR THE PRIMARY NICKEL AND COBALT SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of copper, nickel, and cobalt in the crushed raw material	
Copper	0.099	0.047
Nickel	0.042	0.028
Ammonia (as N)	10.260	4.512
Cobalt	0.011	0.005
Total suspended solids	1.155	0.924
pH	¹	¹

¹ Within the range of 7.5 to 10.0 at all times.

(b) Nickel wash water.

NSPS FOR THE PRIMARY NICKEL AND COBALT SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of nickel powder washed	
Copper	0.043	0.021
Nickel	0.019	0.013
Ammonia (as N)	4.515	1.985
Cobalt	0.005	0.002
Total suspended solids	0.508	0.406
pH	¹	¹

¹ Within the range of 7.5 to 10.0 at all times.

(c) Nickel reduction decant.

NSPS FOR THE PRIMARY NICKEL AND COBALT SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of nickel produced	
Copper	16.250	7.744
Nickel	6.982	4.697
Ammonia (as N)	1,692.000	743.900
Cobalt	1.777	0.889
Total suspended solids	190.400	152.300
pH	¹	¹

¹ Within the range of 7.5 to 10.0 at all times.

(d) Cobalt reduction decant.

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NSPS FOR THE PRIMARY NICKEL AND COBALT SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cobalt produced	
Copper	27.390	13.050
Nickel	11.770	7.917
Ammonia (as N)	2,852.000	1,254.000
Cobalt	2.996	1.498
Total suspended solids	321.000	256.800
pH	¹	¹

¹ Within the range of 7.5 to 10.0 at all times.

§ 421.235 [Reserved]

§ 421.236 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with a 40 CFR part 403 and achieve the following pretreatment standards for new sources. The mass of wastewater pollutants in primary nickel and cobalt process wastewater introduced into a POTW shall not exceed the following values:

(a) Raw material dust control.

PSNS FOR THE PRIMARY NICKEL AND COBALT SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of copper, nickel, and cobalt in the crushed raw material	
Copper	0.099	0.047
Nickel	0.042	0.028
Ammonia (as N)	10.260	4.512
Cobalt	0.011	0.005

(b) Nickel wash water.

PSNS FOR THE PRIMARY NICKEL AND COBALT SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of nickel powder washed	
Copper	0.043	0.021
Nickel	0.019	0.013
Ammonia (as N)	4.515	1.985
Cobalt	0.005	0.002